There are four scenarios that need to be considered when deciding which method to use to connect to the CBP Trade Partner VPN Infrastructure

Scenario #1:

Your company currently does not have a high-speed Internet connection and your company can't or won't get high-speed Internet.

Connection Method:
> Dial-Up Modem – any non-AOL ISP

Platform Requirement:
> Windows 2000, XP or Vista (32-bit version only)

Other Software Required:
> MQSeries Client **
> Cisco VPN Software Client version 4.8.01.0300
> (CBP will provide with set-up instructions)

Benefits:
> Potentially $0 cost to establish connectivity to CBP

Limitations:
> Cannot be used with MQSeries Server
> Slow, connection needs to be manually initiated
> Limited to "connect-put/get-disconnect" type connections
> Dropped connections will not auto-reconnect
> Dial-up modem connections can be unreliable
> Connectivity to local LAN and the WEB is blocked for that PC while it is connected to CBP

Scenario #2:

Your company has high-speed Internet, will only need to send and retrieve data from one Windows 2000, XP or Vista computer, and only needs to connect, briefly, to CBP a few times a day.

Connection Method:
> LAN / DSL / Cable Modem based Internet connection

Platform Requirement:
> Windows 2000, XP or Vista (32-bit version only)
> If using a non-Windows platform, see scenario #3

Other Software Required:
> MQSeries Client **
> Cisco VPN Software Client version 4.8.01.0300
> (CBP will provide with set-up instructions)
> Potentially $0 cost to establish connectivity to CBP
> Utilizes existing, high-speed Internet connection

Limitations:

Cannot be used with MQSeries Server
Connection needs to be manually initiated (can be scripted)
Limited to "connect-put/get-disconnect" type connections
Dropped connections will not auto-reconnect
Connectivity to the WEB is blocked for that PC while it is connected to CBP
Connectivity is limited to the locally connected LAN

Scenario #3:

Your company has high-speed Internet and will (one or more of the following):

- Desire the most robust VPN connection via the Internet
- Run MQ Client from a Windows or non-Windows 2000/XP/Vista system
- Run MQ Server

Connection Method:

LAN / DSL / Cable Modem based Internet connection with Internet router with an available public IP address to dedicate to this connection

VPN Hardware Requirement (one of the following):

Cisco 871 (Cisco mfg# CISCO871-K9 / estimated cost: $500)
Cisco 1811 (Cisco mfg# CISCO1811/K9 / estimated cost: $1,000)
Cisco 2801 (Cisco mfg# CISCO2801 / estimated cost: $1,700)
NOTE: If your company would like to use a Cisco IPSEC capable device that is not listed above, please contact CBP's Network Support Team to determine if the device meets CBP's requirements.

Other Software Required:

MQSeries Client ** or Server
Cisco IOS version level will be provided by CBP based on what it determines to be the most stable and secure code
Configuring router with Cisco EZVPN mode is required for Trade Partners that use MQSeries Client

Benefits:

Most robust type of VPN connection
No recurring monthly leased line charges
Utilizes existing, high-speed Internet connection
Tunnel creation, to and from CBP, can be initiated from either side (when using MQSeries Server)
Data flows at time of creation, rather than going into a queue (when using MQSeries Server)
Multiple systems can send data to CBP without additional software

Limitations:

Not controlled and monitored at the same level as a dedicated MPLS connection to CBP (scenario #4)

Scenario #4:

Your company requires the assurance of a 24X7, always on, monitored connection with dedicated bandwidth and redundancy.

Connection Method:

Dedicated and redundant MPLS* connections directly to CBP

VPN Hardware Requirement (one of the following):

Cisco 1841 with WIC-1DSU-T1-V2 Bundle

Mfg# CISCO1841-T1 / estimated cost: $1,700

Cisco 2801 with WIC-1DSU-T1-V2

Mfg# CISCO2801 / estimated cost: $1,700

Mfg# WIC-1DSU-T1-V2= / estimated cost: $700

NOTE: If your company would like to use a Cisco IPSEC device that is not listed above, please contact CBP's Network Support Team to determine if the device meets CBP's requirements.

OPTIONAL: To accommodate Trade Partners that desire a backup connection for their dedicated circuit, we support the use of an Internet VPN as a secondary connection. This would require a separate VPN device selected from scenario #3.

Other Software Required:

MQSeries Server

Cisco IOS version level will be provided by CBP based on what it determines to be the most stable and secure code

Benefits:

Most reliable type of connection

Tunnel creation, to and from CBP, can be initiated from either side

Data flows at time of creation, rather than going into a queue

Multiple systems can send data to CBP without additional software

Can be combined with Scenario #3 to enhance redundancy should the MPLS connection go down

Limitations:

None

Details

Contact Sprint for costing @ 913-307-6442 (CBP Sprint contract services expire 06/2010)

Or

Contact Verizon for costing:

Most reliable type of connection

Pre-existing accounts – Direct your Verizon Business Account Representative to contact Michael Munson @ 703-886-7306 for additional information.

New accounts - Call 888-200-6002, option 1 and request support for service. Please have the sales representative call Michael Munson at the above number for further details.

* MPLS: Multiprotocol Label Switching – Termed "PIP" by Sprint and "VBNS" by Verizon
** The automation of MQ Client put/get connections is permitted at an interval of no less than 5 minutes.